

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An anisotropic scattering film comprising a micro-porous film and a substance filled in micropores of said micro-porous film, wherein the void fraction occupied by micropores in the micro-porous film is from 30 to 75, the micropores observed on the surface of the film are substantially in the form of ellipses, a ratio of the major axis to the minor axis (major axis/minor axis) of said ellipses is over 1, the minor axis size of the micropores is smaller than a wavelength of light in a visible light region, the micropores are oriented in one direction so that the major axis of the micropores is in substantially the same direction, the refractive index of the substance filled in micropores of the micro-porous film differs from the refractive index of the micro-porous film, and the anisotropic scattering film has a scattering anisotropy when exposed to a polarized light, and the micropores are substantially connected mutually through curved paths from the surface to the other surface of the film.

2. (Cancelled)

3. (Currently Amended) The anisotropic scattering film according to Claim 1 ~~or~~ 2, wherein the micro-porous film is composed of a polymer.

4. (Previously Presented) The anisotropic scattering film according to claim 1, wherein the gas permeability of the microporous film is 5 to 5,000 sec/100cc·cm².

5. (Previously Presented) The anisotropic scattering film according to claim 1, wherein the ratio of the major axis to the minor axis (major axis/minor axis) is 3 to 30.

6. (Previously Presented) The anisotropic scattering film according to claim 1, obtainable by polymerizing a polymerizable substance filled in the micropores.

7. (Previously Presented) The anisotropic scattering film according to claim 1, wherein the substance in the micropores is an anisotropic substance.

8. (Previously Presented) The anisotropic scattering film according to Claim 7, wherein the anisotropic substance in the micropores is oriented in one direction.

9. (Previously Presented) The anisotropic scattering film according to Claim 7 or 8, wherein

$$0.01 < |n - n_e| < 0.6$$

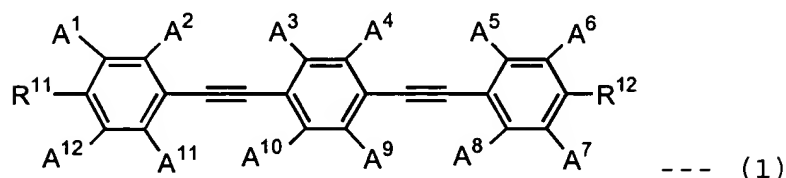
and

$$0 \leq |n - n_o| < 0.05$$

wherein in the above formula, n is the refractive index of the micro-porous film, and n_e and n_o ($n_e > n_o$) are the extraordinary and ordinary refractive indexes, respectively, of the anisotropic substance.

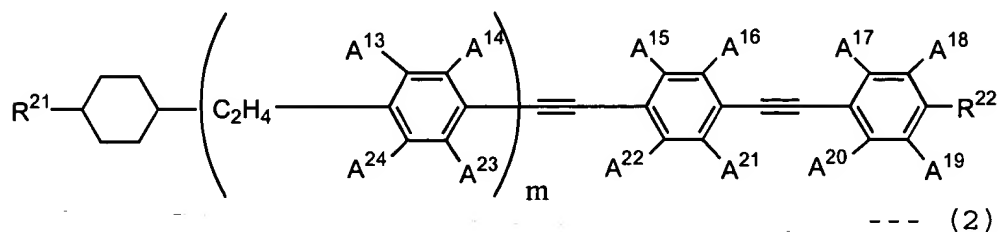
10. (Previously Presented) The anisotropic scattering film according to claim 7, wherein the anisotropic substance is a liquid crystal.

11. (Previously Presented) The anisotropic scattering film according to Claim 10, wherein the liquid crystal includes at least one compound selected from the compounds represented by the formulas (1) to (3):

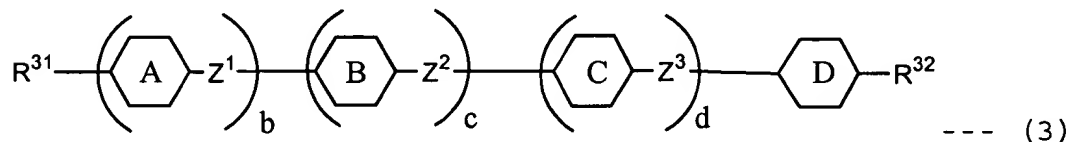


in the formula, A^1 - A^{12} represent, each independently, a hydrogen atom, a fluorine atom, an alkyl group or alkoxy group having 1-10 carbon atoms which is unsubstituted or substituted with fluorine; R^{11} and R^{12} represent, each independently, a hydrogen atom, a fluorine atom, a cyano group, SF_5 , NCS, 4- R^{13} -(cycloalkyl) group, 4- R^{13} -(cycloalkenyl group) or R^{14} -(O) q^{11} ; R^{13} represents a hydrogen atom, a linear or branched alkyl group having 1-12 carbon atoms

which is unsubstituted or substituted with fluorine; R^{14} represents a linear or branched alkyl group having 1-12 carbon atoms which is unsubstituted or substituted with fluorine; and q^{11} represents 0 or 1,



in the formula, A^{13} - A^{24} represent, each independently, a hydrogen atom, a fluorine atom, or an alkyl group having 1-10 carbon atoms; m is 0 or 1; R^{21} represents a hydrogen atom, a linear or branched alkyl group having 1-12 carbon atoms which is unsubstituted or substituted with fluorine; R^{22} represents R^{21} , a fluorine atom, a cyano group, 4- R^{23} -(cycloalkyl) group, 4- R^{23} -(cycloalkenyl group) or R^{24} -(O) q^{21} ; R^{23} represents a hydrogen atom, a linear or branched alkyl group having 1-12 carbon atoms which is unsubstituted or substituted with fluorine, and R^{24} represents a linear or branched alkyl group having 1-12 carbon atoms which is unsubstituted or substituted with fluorine; and q^{21} represents 0 or 1,



in the formula (3), ring A, ring B, ring C and ring D, each independently, represents, 1,4-phenylene, 1,4-cyclohexylene, 1,4-

cyclohexelene, 4,1-cyclohexelene, 2,5-cyclohexelene, 5,2-cyclohexelene, 3,6-cyclohexelene, 6,3-cyclohexelene, 2,5-pyrimidinediyl, 5,2-pyrimidinediyl, 2,5-pyridinediyl, 5,2-pyridinediyl, 2,5-dioxanediyl or 5,2-dioxanediyl; hydrogen atoms on ring A, ring B, ring C, and ring D are unsubstituted or substituted with fluorine; R^{31} and R^{32} represent a hydrogen atom, a fluorine atom, fluoromethyl group, difluoromethyl group, trifluoromethyl group, fluoromethoxy group, difluoromethoxy group, trifluoromethoxy group, cyano group, an alkyl group having 1-12 carbon atoms, an alkenyl group having 3-12 carbon atoms, an alkynyl group having 3-12 carbon atoms, an alkoxy group having 1-12 carbon atoms, an alkenyloxy group having 3-12 carbon atoms, an alkynyloxy group having 3-12 carbon atoms, an alkoxyalkyl group having 2-16 carbon atoms, or an alkoxyalkenyl group having 3-16 carbon atoms; the methylene group in these alkyl group, alkenyl group and alkynyl group, is unsubstituted or substituted with oxygen atom, sulfur atom, and silicon atom, and can be either linear or branched; Z^1 , Z^2 , and Z^3 represent, each independently, $-COO-$, $-OCO-$, $-OCH_2-$, $-CH_2O-$, an alkylene group having 1-5 carbon atoms, an alkenylene group having 2-5 carbon atoms, an alkynylene group having 2-5 carbon atoms, or a single bond; and b, c and d are 0 or 1 each independently, and satisfy $b+c+d \geq 1$.

12. (Previously Presented) A liquid crystal display comprising a liquid crystal panel having a polarizing plate at least on the front surface side, the anisotropic scattering film described in claim 1, a light guide, and a reflection plate or a diffuse reflection plate present in this order, wherein the transmission axis of said liquid crystal panel and the transmission axis of said anisotropic scattering film are approximately parallel.

13. (Original) The liquid crystal display according to Claim 12 wherein the liquid crystal panel has a polarizing plate on the front surface side and the back surface side.

14. (Original) The liquid crystal display according to Claim 13 wherein the transmission axis of a polarizing plate on the back surface side of the liquid crystal panel and the transmission axis of the anisotropic scattering film are approximately parallel.

15. (Original) The liquid crystal display according to any of Claims 12 to 14 wherein a retardation plate is located between the anisotropic scattering film and the reflection plate or diffuse reflection plate.